

Title (en)
Electrical microswitch

Title (de)
Elektrischer Mikro-Schalter

Title (fr)
Micro interrupteur électrique

Publication
EP 1808877 A2 20070718 (DE)

Application
EP 06022993 A 20061106

Priority
DE 102006001811 A 20060112

Abstract (en)
The generator has an electrical operating device that is provided with an operating unit such as a lifter. A snap disk (13) works on the operating unit for actuating the operating unit. The snap disk is arranged outside the electrical operating device, where the snap disk is kept with notch units (23) at the housing. A micro-switch or a push-button is provided as the electrical operating device. The electrical operating device and the snap disk are received by a common housing (12).

Abstract (de)
Die Erfindung betrifft einen elektrischen Signalgeber nach Art eines Schalters oder Tasters, insbesondere zur Verwendung in Kraftfahrzeugen, mit einem einen Stößel aufweisenden Mikro-Schalter oder Taster und mit mindestens einer Schnappscheibe, die auf den Stößel wirkt. Ziel ist eine mechanisch robuste Betätigung des Signalgebers bei hoher Betätigungskraft.

IPC 8 full level
H01H 3/16 (2006.01); **H01H 5/30** (2006.01); **H01H 13/18** (2006.01); **H01H 13/48** (2006.01)

CPC (source: EP)
H01H 3/161 (2013.01); **H01H 5/30** (2013.01); **H01H 13/183** (2013.01); **H01H 13/48** (2013.01); **H01H 2215/006** (2013.01)

Citation (applicant)
• EP 1468152 A1 20041020 - HUF HUELSBECK & FUERST GMBH [DE]
• DE 19834888 A1 20000210 - EMS ELEKTRO MECHANISCHE SCHALT [DE]
• FR 2620562 A1 19890317 - SEIM SA [FR]
• US 2381835 A 19450807 - MOORHEAD JOHN O
• DE 4330917 C1 19950216 - MERIT WERK MERTEN & CO KG [DE]
• GB 2020908 A 19791121 - THERM O DISC INC
• DE 3886141 T2 19940623 - DELTA CONCEPT SA [FR]
• WO 8806799 A1 19880907 - CAMBIEN CLAUDE JEAN [FR]

Citation (third parties)
Third party :
• US 4638721 A 19870127 - BOULANGER HENRY J [US]
• US 5123332 A 19920623 - THAYER JAMES R [US], et al

Cited by
DE102010061455A1; DE102010044729A1; DE102013107001A1; US9245701B2; EP4340225A2; DE102022003446A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1808877 A2 20070718; EP 1808877 A3 20081217; EP 1808877 B1 20130717; ES 2428507 T3 20131108

DOCDB simple family (application)
EP 06022993 A 20061106; ES 06022993 T 20061106